



\* All images in this datasheet are for illustrative purposes only.

## UHD Signage UL3J-B

# LG webOS UHD Signage



Superb Picture Quality  
with Ultra HD Resolution



Sophisticated  
Slim Design



High-Performance  
with webOS 6.0



Various Sensor  
Connection



Compatible with  
**LG One:Quick** Share

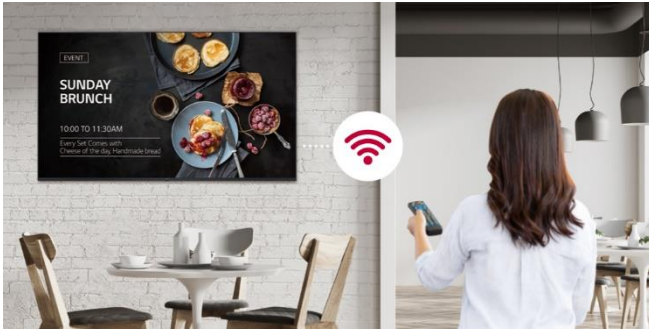


Compatible with  
AV Control Systems

### UL3J-B

|                           |                                                                                 |
|---------------------------|---------------------------------------------------------------------------------|
| Inch                      | 86" / 75" / 65" / 55" / 50" / 43"                                               |
| Screen Resolution         | 3,840 × 2,160 (UHD)                                                             |
| Operation Time            | 16 Hours / 7 Days                                                               |
| Brightness                | 86" / 75" : 330 nits<br>65" / 55" / 50" : 400 nits<br>43" : 300 nits            |
| LG Solution Compatibility | LG One:Quick Share, LG ConnectedCare,<br>LG SuperSign CMS/Control, Promota App* |

\* Not available for Europe/CIS Region



## Easy Content Distribution & SW Update

UL3J series features embedded Wi-Fi making it easy to distribute content wirelessly and update Firmware under the same network.



## Wireless Access Point

UL3J series operates as a virtual router which can be an wireless access point for mobile devices.



## Built-in Speaker

Contents will be enriched with sound effects from built-in speakers, without the need for purchasing or installing external speakers.



## Real-time LG ConnectedCare Service

Maintenance is easy and fast with the optional LG ConnectedCare\* service, a cloud service solution provided by LG. It remotely manages the status of displays in client workplaces for fault diagnosis and remote-control services, supporting the stable operation of clients' businesses.

\* The availability of the 'LG ConnectedCare' service differs by region, and it needs to be purchased separately. So please contact the LG sales representative in your region for more details.

## CONNECTIVITY

86"

Rear

Side

75" / 65" / 55" / 50" / 43"

Rear

Side

\* Jack Panels may differ from the above image, so please contact LG sales team to verify before ordering.

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 86UL3J-B                                                                               | 75UL3J-B                                                                     | 65UL3J-B                                                                     | 55UL3J-B                                                                     | 50UL3J-B                                                                     | 43UL3J-B                                                                     |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| Panel                    | Screen Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 86"                                                                                    | 75"                                                                          | 65"                                                                          | 55"                                                                          | 50"                                                                          | 43"                                                                          |
|                          | Panel Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IPS                                                                                    | IPS                                                                          | IPS                                                                          | IPS                                                                          | IPS                                                                          | IPS                                                                          |
|                          | Back Light Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Direct                                                                                 | Direct                                                                       | Direct                                                                       | Direct                                                                       | Direct                                                                       | Direct                                                                       |
|                          | Aspect Ratio                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 16 : 9                                                                                 | 16 : 9                                                                       | 16 : 9                                                                       | 16 : 9                                                                       | 16 : 9                                                                       | 16 : 9                                                                       |
|                          | Native Resolution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3,840 × 2,160 (UHD)                                                                    | 3,840 × 2,160 (UHD)                                                          | 3,840 × 2,160 (UHD)                                                          | 3,840 × 2,160 (UHD)                                                          | 3,840 × 2,160 (UHD)                                                          | 3,840 × 2,160 (UHD)                                                          |
|                          | Refresh Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 120 Hz                                                                                 | 60 Hz                                                                        | 60 Hz                                                                        | 60 Hz                                                                        | 60 Hz                                                                        | 60 Hz                                                                        |
|                          | Brightness                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 330 nit (Typ.)                                                                         | 330 nit (Typ.)                                                               | 400 nit (Typ.)                                                               | 400 nit (Typ.)                                                               | 400 nit (Typ.)                                                               | 300 nit (Typ.)                                                               |
|                          | Contrast Ratio                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1,200 : 1                                                                              | 1,200 : 1                                                                    | 1,200 : 1                                                                    | 1,300 : 1                                                                    | 1,200 : 1                                                                    | 1,300 : 1                                                                    |
|                          | Dynamic CR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1,000,000 : 1                                                                          | 1,000,000 : 1                                                                | 1,000,000 : 1                                                                | 1,000,000 : 1                                                                | 1,000,000 : 1                                                                | 1,000,000 : 1                                                                |
|                          | Color Gamut                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DCI 80%                                                                                | DCI 80%                                                                      | DCI 80%                                                                      | DCI 80%                                                                      | DCI 80%                                                                      | DCI 80%                                                                      |
|                          | Viewing Angle (H × V)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 178 × 178                                                                              | 178 × 178                                                                    | 178 × 178                                                                    | 178 × 178                                                                    | 178 × 178                                                                    | 178 × 178                                                                    |
|                          | Color Depth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1.07 Billion Colors (Advanced 8 bit)                                                   | 1.07 Billion Colors (8bit + FRC)                                             | 1.07 Billion Colors (8bit + FRC)                                             | 1.07 Billion Colors (10 bit)                                                 | 1.07 Billion Colors (10 bit (D))                                             | 1.07 Billion Colors (10 bit (D))                                             |
|                          | Response Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5 ms (G to G)                                                                          | 8 ms (G to G)                                                                | 8 ms (G to G)                                                                | 8 ms (G to G)                                                                | 12 ms (G to G)                                                               | 8 ms (G to G)                                                                |
|                          | Surface Treatment (Haze)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3%                                                                                     | 1%                                                                           | 1%                                                                           | 3%                                                                           | 3%                                                                           | 3%                                                                           |
|                          | Life time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 30,000 Hrs (Min.)                                                                      | 30,000 Hrs (Min.)                                                            | 30,000 Hrs (Min.)                                                            | 30,000 Hrs (Min.)                                                            | 30,000 Hrs (Min.)                                                            | 30,000 Hrs (Min.)                                                            |
|                          | Operation Hours (Hours/Day)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 16 / 7                                                                                 | 16 / 7                                                                       | 16 / 7                                                                       | 16 / 7                                                                       | 16 / 7                                                                       | 16 / 7                                                                       |
|                          | Portrait / Landscape                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | No / Yes                                                                               | Yes / Yes                                                                    | Yes / Yes                                                                    | Yes / Yes                                                                    | Yes / Yes                                                                    | Yes / Yes                                                                    |
| Connectivity             | Input                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | HDMI (3, HDCP 2.2/1.4), RS-232C In (4 Pin Phone-jack), RJ45 (LAN), USB 2.0 (2, Type A) |                                                                              |                                                                              |                                                                              |                                                                              |                                                                              |
|                          | Output                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Audio Out, RS-232C Out (4 Pin Phone-jack)                                              |                                                                              |                                                                              |                                                                              |                                                                              |                                                                              |
| Mechanical Specification | Bezel Color                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Ashed Blue                                                                             | Ashed Blue                                                                   | Ashed Blue                                                                   | Ashed Blue                                                                   | Ashed Blue                                                                   | Ashed Blue                                                                   |
|                          | Bezel Width                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Off : 6.9 mm (T/R/L),<br>18.4 mm (B)<br>On : 15.9 mm (T/R/L),<br>19.9 mm (B)           | Off : 7.9 mm (T/R/L),<br>18.4 mm (B)<br>On : 13.9 mm (T/R/L),<br>19.9 mm (B) | Off : 6.8 mm (T/R/L),<br>18.4 mm (B)<br>On : 12.8 mm (T/R/L),<br>19.9 mm (B) | Off : 6.9 mm (T/R/L),<br>18.4 mm (B)<br>On : 12.8 mm (T/R/L),<br>19.9 mm (B) | Off : 7.3 mm (T/R/L),<br>18.4 mm (B)<br>On : 12.8 mm (T/R/L),<br>19.9 mm (B) | Off : 6.9 mm (T/R/L),<br>18.4 mm (B)<br>On : 12.8 mm (T/R/L),<br>19.9 mm (B) |
|                          | Weight (Head)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 45.2 kg                                                                                | 31.4 kg                                                                      | 21.5 kg                                                                      | 14.0 kg                                                                      | 11.7 kg                                                                      | 8.8 kg                                                                       |
|                          | Packed Weight                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 57.7 kg                                                                                | 40.3 kg                                                                      | 27.5 kg                                                                      | 18.8 kg                                                                      | 14.4 kg                                                                      | 10.9 kg                                                                      |
|                          | Monitor Dimension (W×H×D)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1,927 × 1,104 × 59.9 mm                                                                | 1,678 × 964 × 59.9 mm                                                        | 1,454 × 838 × 57.7 mm                                                        | 1,235 × 715 × 57.5 mm                                                        | 1,121 × 651 × 57.1 mm                                                        | 967 × 564 × 57.1 mm                                                          |
|                          | Carton Dimensions (W×H×D) (Box Outer Size)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2,115 × 1,215 × 228 mm                                                                 | 1,820 × 1,115 × 200 mm                                                       | 1,600 × 970 × 172 mm                                                         | 1,360 × 810 × 162 mm                                                         | 1,215 × 775 × 152 mm                                                         | 1,055 × 660 × 142 mm                                                         |
|                          | VESA™ Standard Mount Interface                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 600 × 400 mm                                                                           | 400 × 400 mm                                                                 | 300 × 300 mm                                                                 | 300 × 300 mm                                                                 | 200 × 200 mm                                                                 | 200 × 200 mm                                                                 |
| Key Feature              | Internal Memory 8 GB, Built-in Wi-Fi, Sensor (Temperature Sensor, Auto Brightness Sensor), Local Key Operation (Power On/Off Only), webOS 6.0, Embedded CMS (Local Contents Scheduling, Group Manager), USB Plug & Play, Fail Over, Background Image (Bootling Logo Image, No Signal Image), Sync Mode (RS-232C Sync, Local Network Sync), Screen Share, Video Tag (4, Max One HDMI Input), Play via URL, Rotation (Screen Rotation, External Input Rotation), Gapless Playback, Setting Data Cloning, SNMP, ISM (Image Sticking Minimization) Method, Auto Set ID, Status Mailing, Control Manager, 3 <sup>rd</sup> Party Compatibility (Cisco Certi (TBD, Oct-), Crestron Connected, Power (Smart Energy Saving, PM Mode, Wake on LAN, Network Ready), Beacon, HDMI-CEC <sup>1)</sup> , SI Sever Setting, webRTC, Prodiom |                                                                                        |                                                                              |                                                                              |                                                                              |                                                                              |                                                                              |
| Environment Conditions   | Operation Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0°C to 40°C<br>(Portrait Scene : 0°C to 30°C)                                          | 0°C to 40°C<br>(Portrait Scene : 0°C to 35°C)                                | 0°C to 40°C<br>(Portrait Scene : 0°C to 35°C)                                | 0°C to 40°C<br>(Portrait Scene : 0°C to 35°C)                                | 0°C to 40°C<br>(Portrait Scene : 0°C to 35°C)                                | 0°C to 40°C<br>(Portrait Scene : 0°C to 35°C)                                |
|                          | Operation Humidity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 10% to 80%                                                                             | 10% to 80%                                                                   | 10% to 80%                                                                   | 10% to 80%                                                                   | 10% to 80%                                                                   | 10% to 80%                                                                   |
| Power                    | Power Supply                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | AC 100-240V~, 50/60Hz                                                                  | AC 100-240 V~, 50/60 Hz                                                      | AC 100-240 V~, 50/60 Hz                                                      | AC 100-240 V~, 50/60 Hz                                                      | AC 100-240 V~, 50/60 Hz                                                      | AC 100-240V~, 50/60Hz                                                        |
|                          | Power Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Built-in Power                                                                         | Built-in Power                                                               | Built-in Power                                                               | Built-in Power                                                               | Built-in Power                                                               | Built-in Power                                                               |
| Power Consumption        | Typ. / Max.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 220 W / 300 W                                                                          | 155 W / 220 W                                                                | 130 W / 187 W                                                                | 105 W / 160 W                                                                | 105 W / 150 W                                                                | 80 W / 120 W                                                                 |
|                          | BTU (British Thermal Unit)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 751 BTU/Hr (Typ.),<br>1,024 BTU/Hr (Max.)                                              | 529 BTU/Hr (Typ.),<br>751 BTU/Hr (Max.)                                      | 444 BTU/Hr (Typ.),<br>638 BTU/Hr (Max.)                                      | 358 BTU/Hr (Typ.),<br>546 BTU/Hr (Max.)                                      | 358 BTU/Hr (Typ.),<br>512 BTU/Hr (Max.)                                      | 273 BTU/Hr (Typ.),<br>409 BTU/Hr (Max.)                                      |
|                          | Smart Energy Saving                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 154 W                                                                                  | 108.5 W                                                                      | 91 W                                                                         | 73.5 W                                                                       | 66 W                                                                         | 56 W                                                                         |
|                          | DPM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.5 W                                                                                  | 0.5 W                                                                        | 0.5 W                                                                        | 0.5 W                                                                        | 0.5 W                                                                        | 0.5 W                                                                        |
|                          | Power off                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.5 W                                                                                  | 0.5 W                                                                        | 0.5 W                                                                        | 0.5 W                                                                        | 0.5 W                                                                        | 0.5 W                                                                        |
| Sound                    | Speaker                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Yes                                                                                    | Yes                                                                          | Yes                                                                          | Yes                                                                          | Yes                                                                          | Yes                                                                          |
| Certification            | Safety                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | CB / NRTL                                                                              | CB                                                                           | CB                                                                           | CB                                                                           | CB                                                                           | CB                                                                           |
|                          | EMC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FCC Class "A" / CE                                                                     | FCC Class "A" / CE                                                           | FCC Class "A" / CE                                                           | FCC Class "A" / CE                                                           | FCC Class "A" / CE                                                           | FCC Class "A" / CE                                                           |
|                          | ErP / Energy Star                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Yes (OldErP for Jordan) / No                                                           | Yes (OldErP for Jordan) / Yes                                                | Yes (OldErP for Jordan) / Yes                                                | Yes (OldErP for Jordan) / Yes                                                | Yes (OldErP for Jordan) / Yes                                                | Yes (OldErP for Jordan) / No                                                 |
| Software Compatibility   | SuperSign CMS, SuperSign Control / Control+, SuperSign WB, SuperSign Media Editor, Promota (Not Available for EU/CIS), LG ConnectedCare <sup>2)</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                        |                                                                              |                                                                              |                                                                              |                                                                              |                                                                              |
| Language                 | English, French, German, Spanish, Italian, Korean, Chinese (Simplified), Chinese (Original), Portugues (Brazil), Swedish, Finnish, Norwegian, Danish, Russian, Japanese, Portugues (Europe), Dutch, Czech, Greek, Turkish, Arabic, Polski                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                        |                                                                              |                                                                              |                                                                              |                                                                              |                                                                              |
| Accessory                | Basic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Remote Controller, Power Cord, Regulation Book, Phone to D-Sub9 Gender, Cable Holder   |                                                                              |                                                                              |                                                                              |                                                                              |                                                                              |

1) Compatibility may differ by equipment.

2) The availability can differ by region.

\* Specifications are subject to change without notice. Please make sure to check the product manual for details about product usage.



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